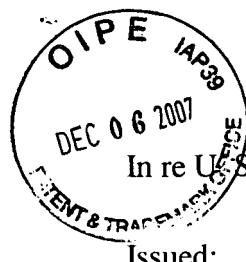


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

C 01 C

In re U.S. Patent: 7,272,544 B2

Examiner: Thangavelu, Kandasamy

Issued: September 18, 2007

Group: 2123

Inventor(s): Vipin Gopal et al.

Docket No. H16-25963 (256.054US1)

For: INTEGRATED MODELING THROUGH SYMBOLIC MANIPULATION

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: The Certificate of Corrections Branch, P.O. Box 1450, Alexandria, VA 22313-1450.

on December 4, 2007

Signature:

Anthony Miologos

CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322

Attn: Certificate of Corrections Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please correct the above-identified patent by issuing a Certificate of Correction for a Patent Office mistake under Rule 1.322 as follows:

DEC 07 2007
Certificate
of Correction

In Column 7, line 21, delete "computer-readable medium" **and add** --computer readable storage medium--;

In Column 7, line 27, delete "process to be modeled" **and add** --process being modeled--;

In Column 7, line 32, delete "assumptions and applied model transformations" **and add** --assumptions--;

In Column 7, line 43, delete "is a flash column" **and add**--represents a flash column--;

In Column 7, lines 46-51 delete "rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law and volume correlation" **and add**--rate of change of a mass of a vapor, a rate of change of a mass of liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law and volume correlation--;

In Column 8, line 9, delete "computer-readable medium" **and add** --computer readable storage medium--;

DEC 7 2007

In Column 8, line 14, delete "the environment of a process being modeled" **and add**--an environment of the process being modeled--;

In Column 8, line 17, delete "assumptions and applied model transformations" and add **--assumptions--**;

In Column 8, lines 27-34, delete "the symbolic generic component comprises representations of parameters for a flash column selected from the group consisting of a rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law, and volume correlation" **and add** --the symbolic generic model comprises representations of parameters for a flash column selected from the group consisting of a rate of change of a mass of a vapor, a rate of change of a mass liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law, and volume correlation--;

In Column 8, line 44, delete "computer-readable medium" **and add** --computer readable storage medium--;

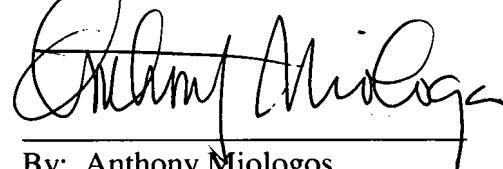
In Column 8, line 48 delete "a environment independent" **and add** --an environment independent--;

In Column 8, lines 52-54 delete "representations of the components derived from the generic models based on the assumptions" **and add** --representations of the components forming component specific models derived from the generic models based on the assumptions; and

an output interface for storing the component specific models on a computer readable storage medium--.

These errors occurred through the fault of the Patent Office because the Examiners Amendment in the Notice of Allowability was not entered. The issuance of a Certificate of Correction under Rule 1.322 is therefore considered proper.

Respectfully submitted,



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UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 2

PATENT NO. : 7,272,544 B2

APPLICATION NO.: 10/758,630

ISSUE DATE : September 18, 2007

INVENTOR(S) : Vipin Gopal et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 7, line 21, delete "computer-readable medium" and add --computer readable storage medium--;

In Column 7, line 27, delete "process to be modeled" and add --process being modeled--;

In Column 7, line 32, delete "assumptions and applied model transformations" and add --assumptions--;

In Column 7, line 43, delete "is a flash column" and add--represents a flash column--;

In Column 7, lines 46-51 delete "rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law and volume correlation" and add--rate of change of a mass of a vapor, a rate of change of a mass of liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law and volume correlation--;

In Column 8, line 9, delete "computer-readable medium" and add --computer readable storage medium--;

In Column 8, line 14, delete "the environment of a process being modeled" and add--an environment of the process being modeled--;

In Column 8, line 17, delete "assumptions and applied model transformations" and add --assumptions--;

In Column 8, lines 27-34, delete "the symbolic generic component comprises representations of parameters for a flash column selected from the group consisting of a rate of change of the mass of vapor, rate of change of a mass of liquid, energy change of a vapor, energy change of a liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, equal pressure, gas law, and volume correlation" and add --the symbolic generic model comprises representations of parameters for a flash column selected from the group consisting of a rate of change of a mass of a vapor, a rate of change of a mass liquid, energy change of the vapor, energy change of the liquid, pressure equilibrium correlation, thermal equilibrium correlation, vapor and liquid enthalpy equations, gas law, and volume correlation--;

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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 2 of 2

PATENT NO. : 7,272,544 B2

APPLICATION NO.: 10/758,630

ISSUE DATE : September 18, 2007

INVENTOR(S) : Vipin Gopal et al.

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In Column 8, line 44, delete "computer-readable medium" and add --computer readable storage medium--;

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an output interface for storing the component specific models on a computer readable storage medium--.

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